

WHAT IS CLAIMED IS:

1. A connection device comprising a substrate and a plurality of spiral contactors formed in a spiral shape  
5 on the substrate, a plurality of external connectors of electronic parts making contact with the plurality of spiral contactors, respectively,

wherein the directions of tensile stresses applied to the starting ends of the windings of the spiral  
10 contactors are arranged opposite to each other, between adjacent spiral contactors.

2. The connection device according to Claim 1,  
wherein the spiral directions of adjacent spiral  
15 contactors are opposite to each other.

3. The connection device according to Claim 1,  
wherein the spiral directions of adjacent spiral contactors are in the same direction, and the positions  
20 of the starting ends of the windings of the spiral contactors deviate from each other by 180°.

4. The connection device according to Claim 3,  
wherein concaves are formed in the substrate, the  
25 starting ends of the windings of the spiral contactors are provided at the edge portions of the concaves, and the terminal ends of the windings of the spiral contactors are provided at the centers of the concaves.

5. The connection device according to Claim 1,  
wherein the concaves are arranged in the form of a  
matrix.

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6. The connection device according to Claim 1,  
wherein the concaves are through-holes, the inner  
walls of which are provided with conductors, each being  
conductive with each of the spiral contactors.

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7. The connection device according to Claim 1,  
wherein the tip of each of the external connectors  
is formed in the form of sphere.